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Hughes Electronics Corporation			MAIS, MARK A		
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Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	- 7		
Office Action Summary		09/782,973	KELLY ET AL.			
		Examiner	Art Unit			
		Mark A. Mais	2616			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the	correspondence address			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE on time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It period for reply is specified above, the maximum statutory period veror reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
	Responsive to communication(s) filed on <u>June</u> This action is FINAL . 2b) This	2, 2006. action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Diamaniti	·	x parte Quayle, 1955 C.D. 11, 4	55 O.G. 215.			
·	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) 1,4-9,12-17,20-25 and 28-36 is/are per 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1,4-9,12-17,20-25 and 28-36 is/are re Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.				
	on Papers	·				
	The specification is objected to by the Examine	r				
10)⊠	The drawing(s) filed on 14 February 2001 is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	e: a)⊠ accepted or b)⊡ objected drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	ee 37 CFR 1.85(a). Djected to. See 37 CFR 1.121(d).			
Priority u	nder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some color None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) D Notice 3) D Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:				

Art Unit: 2616

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Bradshaw et al. in view of Cheng et al.

- Claims 1, 4-5, 8-9, 12-13, 16-17, 20-21, 24, and 33-35 are rejected under 35
 U.S.C. 103(a) as being unpatentable over Bradshaw et al. (USP 6,674,731) in view of Cheng et al. (USP 6,040,851).
- 3. With regard to claims 1, 9, and 17, Bradshaw et al. discloses the transmission of TCP/IP data over a satellite link from a hub station to a plurality of remote terminal units [Abstract]. Bradshaw et al. further teaches user terminals [col. 4, lines 58-61] (hosts) connected to remote units [col. 4, lines 65-67] (terminal unit). The remote unit contains a receiver [col. 4, lines 14-15] and a transmitter [Fig. 8] for two-way communication. Bradshaw et al. also teaches the hub use of DVB format data frames [col. 3, lines 47-49]. The receiver must contain a MAC to DVB converter [col. 12, lines 38-40] to conform to DVB protocol format that is supported by the hub [col. 3, line 49]. Bradshaw et al. also

Art Unit: 2616

teaches an RF receiver coupled to an antenna to permit exchange of data between the remote terminal and the satellite [Fig. 10]. A burst demodulator must be present in the RF receiver for demodulating the signal over the satellite link due to the nature of satellite communications. The data frame conforms with the DVB protocol format (i.e., the return channel frame format) [col. 3, line 49]. The hub station [Fig. 2, 104] is shown with the antenna and the RF transmitter/receiver. Thus, these elements are interpreted as containing the satellite-to-hub interface. Bradshaw et al. further discloses that the hub is connected to an external packet switched network [Fig. 2, element 24; col. 4, lines 25-29], which, in this case, is the internet. The hub must necessarily be able to convert the protocol data frames received from the satellite into requests to/from content servers [col. 5, lines 13-17]. Bradshaw et al. also teaches a multi-layer protocol interface for the hubto-terminal interface as the TCP/IP data is encapsulated into a MAC data frame [col. 7, lines 62-63] and because the TCP/IP frames are also formatted within the DVB frame [col. 8, lines 47-51].

Bradshaw et al. fails to specifically disclose the transmission of data bursts from the terminal to the host via a direct USB connection. Bradshaw et al. discloses that the connection between the remote unit 108A (terminal) and the user terminal 118A (host) is a LAN 116 [Fig. 2]. Bradshaw et al. can use a standardized bus (e.g., the IEEE 802.6 DQDB) for conveying bursty video, which also has the advantage of improved performance characteristics [see generally, col. 3, lines 65-67]. Thus, the remote unit 108A (terminal) in Bradshaw et al. receives the wireless signals from satellite 106 and transports them to the user terminal 118A host via a LAN 116 [Fig. 2]. A LAN involves much more complexity in connecting devices, such as the remote unit 108A (terminal), to

Art Unit: 2616

multiple user terminals 118A (hosts) [See Id.]. Furthermore, a remote unit 108A (terminal) requires an interface and a driver in order to condition the signal and provide the physical interface to the LAN [col. 14, lines 15-23]. LAN 116 allows remote unit 108A (terminal) to transport information in multiple formats/standards to those multiple user terminals 118A (hosts), which are connected to LAN 116. It is well known to those skilled in the art to use a direct connection between a terminal and host, instead of a LAN, because such a connection reduces the complexity of communicating over a LAN and allows more direct and efficient communications between the two devices.

Cheng et al. (USP 6,040,851) discloses a set-top box along with a receiver subsystem that integrates network-dependent functions into a digital interface conditional access module (DICAM) (host interface) which then can implement bursty video [MPEG 1, 2, or 3, col. 6, line 25] from a variety of sources (to include satellite dishes and cable) and then implement them on a personal computer (host) to receive the data [Abstract; col. 1, lines 11-33]. Cheng et al. uses the combination of a set-top universal box (STUB) (terminal) and the DICAM (host interface) to separate out the networkdependent and network-independent streams and functions [Figs. 3-5; col. 2, lines 8-17]. Thus, Cheng et al.'s STUB/DICAM [Figs. 3-5] receives satellite input signals [col. 6, line 16] and outputs the data/streams via a direct connection such as a universal serial bus (USB) [col. 6, lines 20-26]. A USB bus specifically supports (common) bursty video traffic. Bradshaw et al. and Cheng et al. both involve the transmission and reception of data over a wireless communication channel [both receive satellite signals]. Moreover, both Bradshaw et al. and Cheng et al. disclose integrated services, specifically, transmitting the received data to a user terminal [user terminal 118A in Bradshaw et al.

and a PC in Cheng et al.]. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to have used the received satellite communications of Bradshaw et al. with the less-complex and directly-connected USB bus disclosed in Cheng et al. to connect the remote unit 108A (terminal) and the user terminal 118A (host) because integrated services require interoperability between the receipt, and use, of bursty video data transmissions which contribute to improved performance characteristics.

- 4. With regard to claims 4, 12, and 20, Bradshaw et al. discloses all teaches that MPEG format data is packaged into DVB protocol format [col. 2, lines 66-67], and TCP/IP data is encapsulated into an Ethernet MAC data frame [col. 7, lines 62-63], that is, multi-layer protocol with support for DVB.
- 5. With regard to claim 5, Bradshaw et al. discloses that the data exchanged over the satellite link is TCP/IP [col. 3, lines 37-39].
- 6. With regard to claims 8, 16, and 24, Bradshaw et al. discloses that the packet-switched network is the internet [Fig. 2, element 24].
- 7. With regard to claims 13 and 21, Bradshaw et al. discloses IP [col. 7, lines 62-63], an IETF-standardized protocol used for interfacing receiver and transmitter units, as well as for transmitting data.

8. With regard to claims 33-35, neither Bradshaw et al. nor Cheng et al. specifically disclose using USB super frames to send data bursts to the host. Cheng et al. discloses a USB serial interface, which can handle bursty video and uses USB frames. It is well known to those skilled in the art that USB super frames can be used by devices sending video data (and other isochronous applications) when (a) there are large amounts of data to be sent; and (b) the device can reserve enough time slots to send the super frame [wherein problems with USB bus cycles and bandwidth can arise when the device has to contend with other devices on the same USB bus]. Since the combination of Bradshaw et al. and Cheng et al. teaches the less-complex and directly-connected USB bus between remote unit 108A (terminal) and user terminal 118A (host), as noted above, it would have been obvious to one of ordinary skill in the art at the time of the invention to have used USB super frames to send large bursts of video data between remote unit 108A (terminal) and user terminal 118A (host) because there would be no other device to contend with for the USB bus's cycle or bandwidth.

Bradshaw et al. in view of Cheng et al. further in view of Birdwell et al.

- 9. Claims 6, 14, and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bradshaw et al. in view of Cheng et al. as applied to claims 1, 9, and 17 above, and further in view of Birdwell et al. (US Patent Publication 2001/0024435).
- 10. With regard to claims 6, 14, and 22, Bradshaw et al. does not specifically disclose little and big endian data formats. However, Birdwell et al. discloses endian formats for

IP packets transmitted over a satellite link [paragraph 0058]. Bradshaw et al. requires the determination of the beginning, the end, the LSB, and/or the MSB of the transmitted data frames in order to process the data frames. Endian formats aid in determining whether the first byte in the transmitted frames is the LSB or MSB. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to have used the teachings of Bradshaw et al. in processing of transmitted data frames to have used the endian formats to aid in determining the LSB and MSB so that data alignment can be achieved at the receiver for either synchronization or CRC calculations.

Bradshaw et al. in view of Cheng et al. further in view of Jorgenson et al.

- 11. Claims 7, 15, and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bradshaw et al. in view of Cheng et al. as applied to claims 1, 9, and 17 above, and further in view of Jorgenson et al. (USP 6,680,922).
- 12. With regard to claims 7, 15, and 23, Bradshaw et al. does not specifically disclose IGD packets. However, Jorgenson discloses UDP for transmission of packets over a wireless link [col. 12, lines 46-48]. IGD packets are formed from UDP packets. Therefore, it is obvious to those of ordinary skill in the art that UDP datagrams convey useful information parameters about the wireless link including the return channel ID and loading information. Moreover, UDP/IP packets encapsulate multiple data types, including IGD packets.

Bradshaw et al. in view of Cheng et al. further in view of Dillon et al.

13. Claims 25, 28, 29, and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bradshaw et al. in view of Cheng et al. and further in view of Dillon et al. (USP 6,338,131).

14. With regard to claim 25, Bradshaw et al. discloses the transmission of TCP/IP data over a satellite link from a hub station to a plurality of remote terminal units [Abstract]. Bradshaw et al. further teaches user terminals [col. 4, lines 58-61] (hosts) connected to remote units [col. 4, lines 65-67] (terminal unit). The remote unit contains a receiver [col. 4, lines 14-15] and a transmitter [Fig. 8] for two-way communication. Bradshaw et al. also teaches the hub use of DVB format data frames [col. 3, lines 47-49]. The receiver must contains a MAC to DVB converter [col. 12, lines 38-40] to conform to DVB protocol format that is supported by the hub [col. 3, line 49]. Bradshaw et al. also teaches an RF receiver coupled to an antenna to permit exchange of data between the remote terminal and the satellite [Fig. 10]. A burst demodulator must be present in the RF receiver for demodulating the signal over the satellite link due to the nature of satellite communications. The data frame conforms with the DVB protocol format (i.e., the return channel frame format) [col. 3, line 49]. The hub station [Fig. 2, 104] is shown with the antenna and the RF transmitter/receiver. Thus, these elements are interpreted as containing the satellite-to-hub interface. Bradshaw et al. further discloses that the hub is connected to an external packet switched network [Fig. 2, element 24; col. 4, lines 25-

Art Unit: 2616

29], which, in this case, is the internet. The hub must necessarily be able to convert the protocol data frames received from the satellite into requests to/from content servers [col. 5, lines 13-17]. Bradshaw et al. also teaches a multi-layer protocol interface for the hub-to-terminal interface as the TCP/IP data is encapsulated into a MAC data frame [col. 7, lines 62-63] and because the TCP/IP frames are also formatted within the DVB frame [col. 8, lines 47-51]

Bradshaw et al. fails to specifically disclose the transmission of data bursts from the terminal to the host via a direct USB connection. Bradshaw et al. discloses that the connection between the remote unit 108A (terminal) and the user terminal 118A (host) is a LAN 116 [Fig. 2]. Bradshaw et al. can use a standardized bus (e.g., the IEEE 802.6 DQDB) for conveying bursty video, which also has the advantage of improved performance characteristics [see generally, col. 3, lines 65-67]. Thus, the remote unit 108A (terminal) in Bradshaw et al. receives the wireless signals from satellite 106 and transports them to the user terminal 118A host via a LAN 116 [Fig. 2]. A LAN involves much more complexity in connecting devices, such as the remote unit 108A (terminal), to multiple user terminals 118A (hosts) [See Id.]. Furthermore, a remote unit 108A (terminal) requires an interface and a driver in order to condition the signal and provide the physical interface to the LAN [col. 14, lines 15-23]. LAN 116 allows remote unit 108A (terminal) to transport information in multiple formats/standards to those multiple user terminals 118A (hosts), which are connected to LAN 116. It is well known to those skilled in the art to use a direct connection between a terminal and host, instead of a LAN, because such a connection reduces the complexity of communicating over a LAN and allows more direct and efficient communications between the two devices.

Art Unit: 2616

Cheng et al. (USP 6,040,851) discloses a set-top box along with a receiver subsystem that integrates network-dependent functions into a digital interface conditional access module (DICAM) (host interface) which then can implement bursty video [MPEG 1, 2, or 3, col. 6, line 25] from a variety of sources (to include satellite dishes and cable) and then implement them on a personal computer (host) to receive the data [Abstract; col. 1, lines 11-33]. Cheng et al. uses the combination of a set-top universal box (STUB) (terminal) and the DICAM (host interface) to separate out the networkdependent and network-independent streams and functions [Figs. 3-5; col. 2, lines 8-17]. Thus, Cheng et al.'s STUB/DICAM [Figs. 3-5] receives satellite input signals [col. 6. line 16] and outputs the data/streams via a direct connection such as a universal serial bus (USB) [col. 6, lines 20-26]. A USB bus specifically supports (common) bursty video traffic. Bradshaw et al. and Cheng et al. both involve the transmission and reception of data over a wireless communication channel [both receive satellite signals]. Moreover, both Bradshaw et al. and Cheng et al. disclose integrated services, specifically, transmitting the received data to a user terminal [user terminal 118A in Bradshaw et al. and a PC in Cheng et al.]. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to have used the received satellite communications of Bradshaw et al. with the less-complex and directly-connected USB bus disclosed in Cheng et al. to connect the remote unit 108A (terminal) and the user terminal 118A (host) because integrated services require interoperability between the receipt, and use, of bursty video data transmissions which contribute to improved performance characteristics.

- 15. With regard to claim 28, Bradshaw et al. does not specifically disclose processors executing instructions to configure one or more of the interfaces. However, Dillon et al. discloses a satellite-based internet access system. The system of Dillon et al. contains several elements, including an application server and interface, hybrid gateway, and satellite gateway. A processor, executing instructions stored in memory may configure the gateway and the interfaces [col. 3, lines 59-62]. It is obvious to one of ordinary skill in the art that the same processor operating under instructions stored in memory, can also configure other/multiple interfaces. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the two-way satellite communications system of Bradshaw et al. to include the stored instructions executing in the processors of Dillon et al. because integrated services require interoperability between transmissions which contribute to improved performance characteristics as well as universal compatibility as well as flexibility.
- 16. With regard to claim 29, Bradshaw et al. discloses IP [col. 7, lines 62-63], an IETF-standardized protocol used for interfacing receiver and transmitter units, as well as for transmitting data.
- 17. With regard to claim 32, Bradshaw et al. discloses that the packet-switched network is the internet [Fig. 2, element 24].
- 18. With regard to claim 36, neither Bradshaw et al. nor Cheng et al. specifically disclose using USB super frames to send data bursts to the host. Cheng et al. discloses a USB

serial interface, which can handle bursty video and uses USB frames. It is well known to those skilled in the art that USB super frames can be used by devices sending video data (and other isochronous applications) when (a) there are large amounts of data to be sent; and (b) the device can reserve enough time slots to send the super frame [wherein problems with USB bus cycles and bandwidth can arise when the device has to contend with other devices on the same USB bus]. Since the combination of Bradshaw et al. and Cheng et al. teaches the less-complex and directly-connected USB bus between remote unit 108A (terminal) and user terminal 118A (host), as noted above, it would have been obvious to one of ordinary skill in the art at the time of the invention to have used USB super frames to send large bursts of video data between remote unit 108A (terminal) and user terminal 118A (host) because there would be no other device to contend with for the USB bus's cycle or bandwidth.

Bradshaw et al. in view of Cheng et al. and Dillon et al., further in view of Birdwell et al.

- 19. Claim 30 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bradshaw et al., Cheng et al., and Dillon et al. as applied to claim 25 above, and further in view of Birdwell et al.
- 20. With regard to claim 30, Bradshaw et al. does not specifically disclose little and big endian data formats. However, Birdwell et al. discloses endian formats for IP packets transmitted over a satellite link [paragraph 0058]. Bradshaw et al. requires the

Page 13

Art Unit: 2616

determination of the beginning, the end, the LSB, and/or the MSB of the transmitted data frames in order to process the data frames. Endian formats aid in determining whether the first bytes in the transmitted frames are the LSB or MSB. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to have used the teachings of Bradshaw et al. in processing of transmitted data frames to have used the endian formats to aid in determining the LSB and MSB so that data alignment can be achieved at the receiver for either synchronization or CRC calculations.

Bradshaw et al. in view of Cheng et al. and Dillon et al., further in view of Jorgenson et al.

- 21. Claim 31 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bradshaw et al. in view of Cheng et al. and Dillon et al. as applied to claim 25 above, and further in view of Jorgenson et al. (USP 6,680,922).
- 22. With regard to claim 31, Bradshaw et al. does not specifically disclose IGD packets. However, Jorgenson discloses UDP for transmission of packets over a wireless link [col. 12, lines 46-48]. IGD packets are formed from UDP packets. Therefore, it is obvious to those of ordinary skill in the art that UDP datagrams convey useful information parameters about the wireless link including the return channel ID and loading

information. Moreover, UDP/IP packets encapsulate multiple data types, including IGD packets.

Page 14

Response to Arguments

- 23. Applicant's representative and examiner conducted a telephonic interview. No agreement was reached.
- 24. Applicant's representative argues that the receiver unit is configured to translate data received from a host to a data format that conforms to a predetermined protocol supported by the hub and, thus, provides data to the transmitter already in a format suitable for transmission to the hub [Applicant's Response dated June 2, 2006, page 9, lines 23-28]. However, in addition to what is written in the rejections above, examiner interprets that the recitation of "configured to translate data" [in independent claims 1, 9, 17, and 25] does not affirmatively recite the conversion/translation of the data form one protocol to another. Thus, the claim can be further interpreted as not performing the conversation/translation at all, rendering applicant's representative's arguments inapplicable. Assuming, arguendo, that the claim affirmatively recited the translation of host data from one protocol to another, the rejection above specifically encompasses data that is translated into a format suitable for transmission to the hub because any data transmission between the receiver and transmitter, or from satellite to hub, is in a format suitable for transmission to the hub [it is inherently the nature of packet transmissions].

- 25. Applicant's representative argues that Bradshaw et al. fails to disclose, apparently, a *physical* interface that permits data exchange between a receiving unit and a transmitting unit in a single terminal [Applicant's Response dated June 2, 2006, page 10, lines 15-17]. First, In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., a physical interface between a receiving unit and a transmitting unit within a single terminal) are not recited in the rejected claims. Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Second, as explained in the rejections above, Bradshaw et al. discloses, teaches, and/or suggests several interfaces. Specifically, Bradshaw et al. is interpreted as encompassing the interface that permits translation of data from one protocol to another [i.e., terminal interface].
- 26. Applicant's representative further argues that Bradshaw et al. fails to disclose a receiving unit that translates data received from a host to a data frame that is supported by the hub [Applicant's Response dated June 2, 2006, page 10, lines 17-18]. However, in addition to what is written in the rejections above, examiner interprets that the recitation of the receiving unit that is "configured to translate data" [in independent claims 1, 9, 17, and 25] does not affirmatively recite the conversion/translation of the data form one protocol to another. Thus, the claim can be further interpreted as not performing the conversation/translation at all, rendering applicant's representative's arguments inapplicable. Assuming, arguendo, that the claim affirmatively recited the translation of

host data from one protocol to another, the rejection above specifically encompasses data that is translated into a format suitable for transmission to the hub because *any* data transmission between the receiver and transmitter, or from satellite to hub, is in a format suitable for transmission to the hub [it is inherently the nature of packet transmissions].

Conclusion

- 27. Accordingly, **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).
- 28. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.
- 29. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark A. Mais whose telephone number is 572-272-3138. The examiner can normally be reached on M-Th 5am-4pm.

Art Unit: 2616

30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Seema Rao can be reached on 571-272-3174. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

31. Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO

Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MAM July 19, 2006

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Page 17